MTC TE20D

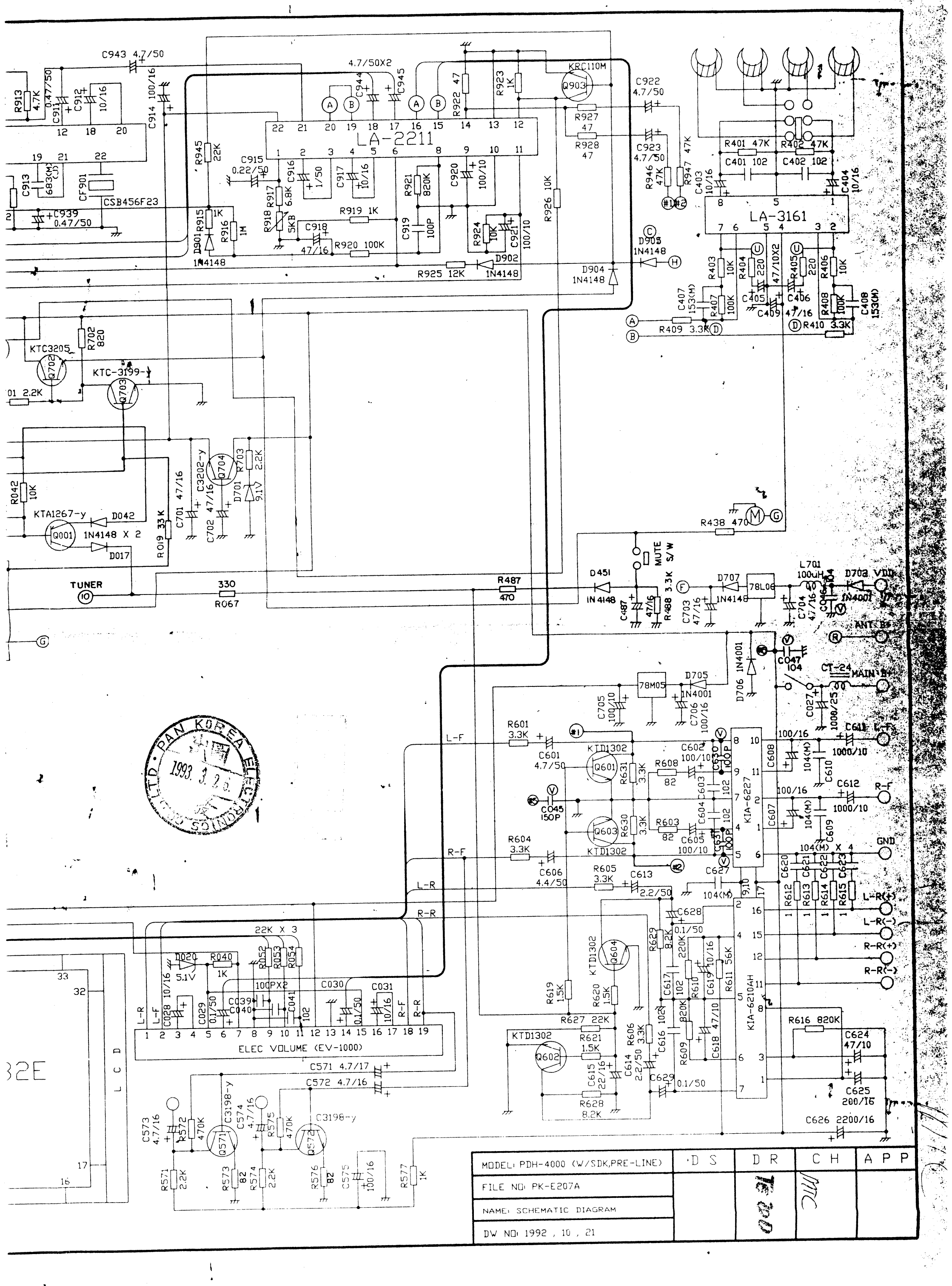
MODEL

SERVICE MANUAL

FM/AM PACK

ANT
GND
SEEK S/W
SD
ST/IN
MO/ST
LO/DX
VSM
VT
RA B+
MAIN B+
AM/FM
FM B+
GND
L-OUT
R-OUT
FM OSC
AM OSC
LW
AM B+

R905 150 (J)
C904 102(M)(J)
R904 5.6K
R906 1.8K (J)
C903 (J) 102(M)
R907 47K (J)
C906 222(M)(J)
C908 0.33/50
R911 10K
C909 223
R913 4.7K
C911 0.47/50
C912 10/16
C902 4.7/16
R111 470
LA-2220
C905 4.7/16
R908 1.2K
C907
A-1267-y
Q902
R909 47K
R910 10K
C910 22/16
R912 47K
C913 683(M)(J)
C939 0.47/50
CF901
R109 3.3K (E)
R110 3.3K (E)
R112 82
C001 103
2SK 583
Q001
R003 1.5K
C003 2.2/50
R004 1.5K
C006 104
C007 103
C008 103
LM-7000
7.2MHz
C004 22P
C005 22P
C002 103
R001 10K
R002 10K
R025 10K
R027 10K
R045 10K
R044 1.2K
C033 47/10
R007 1.2K
R008 1.2K
C009 47/10
Q003
KTA1267-yX2
Q005
C012 10/16
R010 10K
C013 10/16
R011 10K
R935 1K
Q904
C-3199-y
R939 10K
R940 47K
D906 1N4148
R936 10K
Q905
A1267-y
KTA1273-y
Q701
R701 2.2K
KTC3205
Q702
R702 820
KTC-
VF
R057 10K
SK IN
R938 10K
Q906
KRA110M
R020 100
R042 10K
R022 1.2K
R023 1.2K
KTA1267-y
Q001
1N4148
RA/TA
R018 1K
C025 10/16
KIA 7209
C026 10/16
RESET
C2236
Q012
TUNER
TA
R029 1K
C3199-y
Q010
R020 10K
POWER
R031 22K
C3199-y
Q008
R032 10K
R034 10K
DIR
DK IN
R017 560K
R016 47K
TMP 74C 860
C020 22P
32KHz
C021 22P
C023 22P
4.19MHz
C024 22P
RMT
SD
ST
SK
DK
DIR
TA IN
(VF)
(DOLBY)
(MTL)
R048 10K
5V
R055 2.2K
R056 2.2K
CLK
C042 102
C043 102
AMS
RA MUTE
PWR OUT
LOCAL
RA/TA
MO/ST
MUTE
RESET
INH
DATA
D043 D004 D006
D007 D008 D010
D011 D012 D014
D016 D033
K : W/O CD CHANGER ONLY
L : W/O METAL ONLY
M : W/O DOLBY ONLY
N : W/O AMS ONLY
O : W/O 24HOUR ONLY
P : W/MW ONLY
Q : W/O EUROPE ONLY
U : W/O DOLBY ONLY (68 OHM)
V : W/SEC BUYER ONLY
W : W/O CLOCK ONLY
FREQ/CLOCK
Y : W/O SDK OLNY
X : W/O CLOCK OLNY
C : W/CD CHANGER ONLY
D : PDH-4000 --1K ONLY
E : W/O SDK-R109,R110
#4000-USA 27K
EUROPE 6.8K
#4500-USA 3.3K
EUROPE 1K
#5000-USA 10K
EUROPE 4.7K
E : W/SDK-R109,R110
#4000-6.8K
#4500-1K
#5000-1K
455KHz
C014 470P
C015 100P
D021 3V
R013 220
D001
R041 10K
Q006
C-3199-y
1N4148
R012 22K
KS-5803B
POWER
PAUSE PLAY RECAL
INTRO LO/DX
M6
METAL M3
MODE
LEVEL (-)
MUTE
M5
AMS M2
DOWN SKIP DO
SCAN
LEVEL (+)
VF
M4
DOLBY M1
UP SKIPUP
P-SCAN
SELECT
LOUD
REPEAT ST/MO
RANDOM BAND
C016 22/16
C017 682
C033 103
C018
R014 56K
560P
C019
223
LC-7582E
GND
RMT
GND
MT
INH
VCC 5V
CE
CLK
DATA
RESET
FRONT PIN



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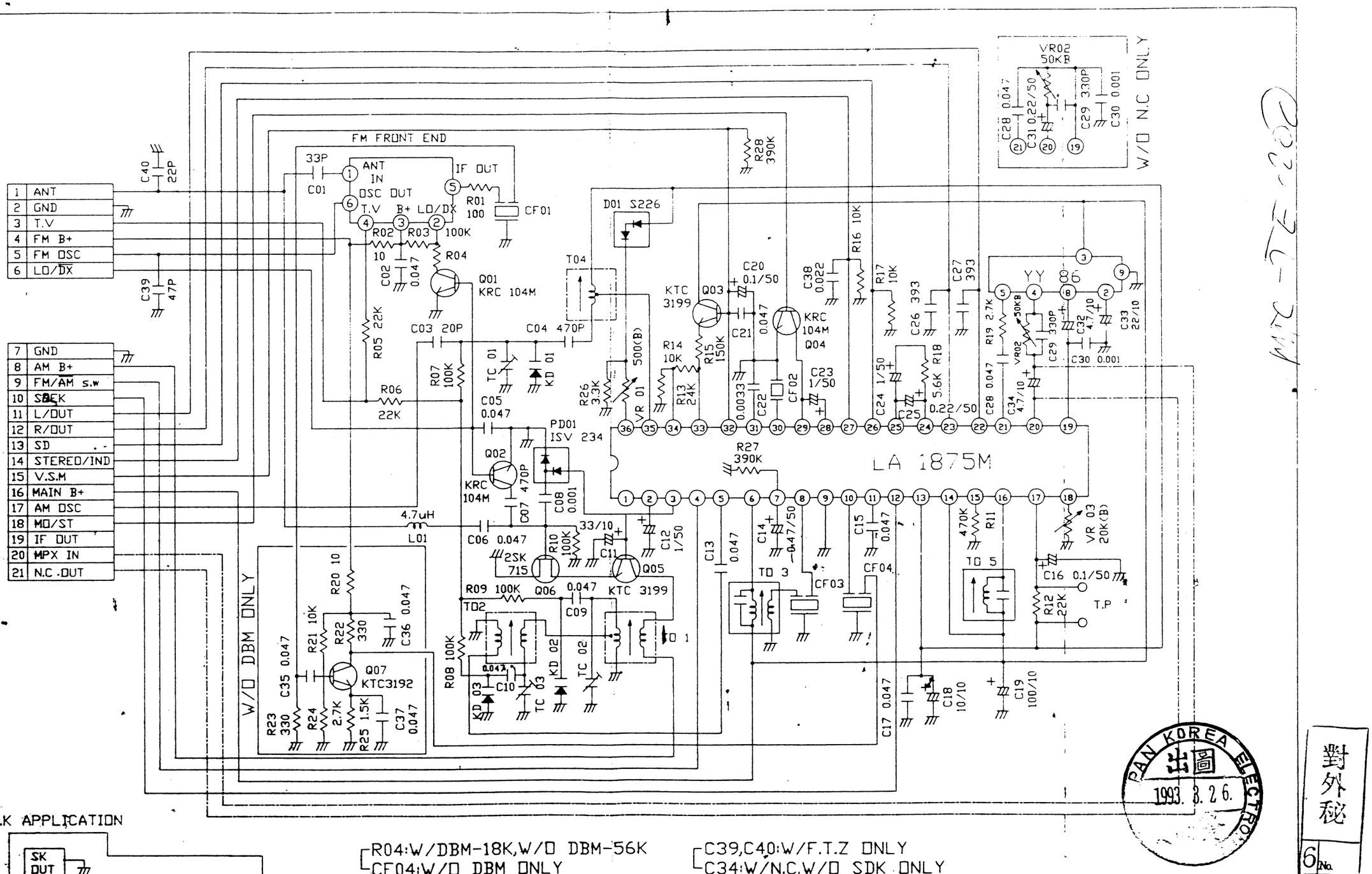
1993. 3. 2.



		D S	D R	C H	A P P
FILE NO: PK-PDH-0004	MODEL: PDH-3000 AM/FM PACK				
NAME: SCHMETIC DIAGRAM	DW NO: 092-06-30				

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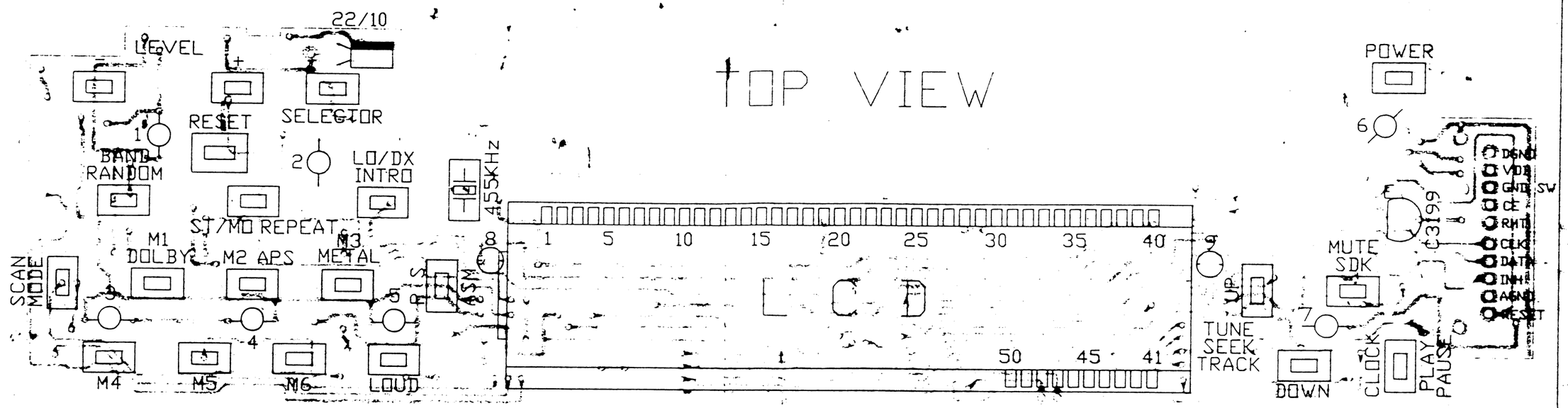
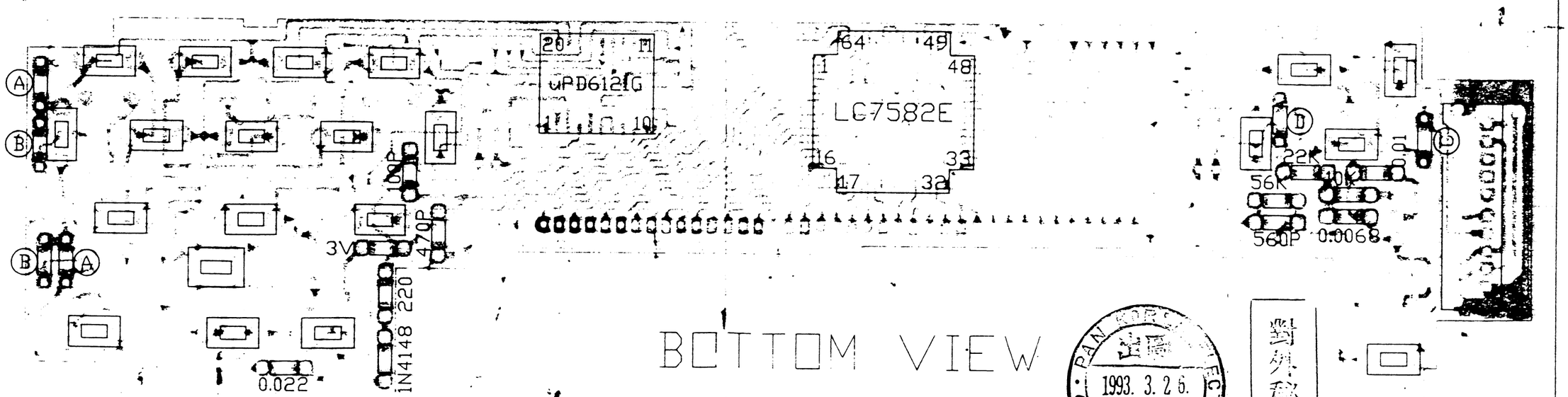
對外秘 6 No.

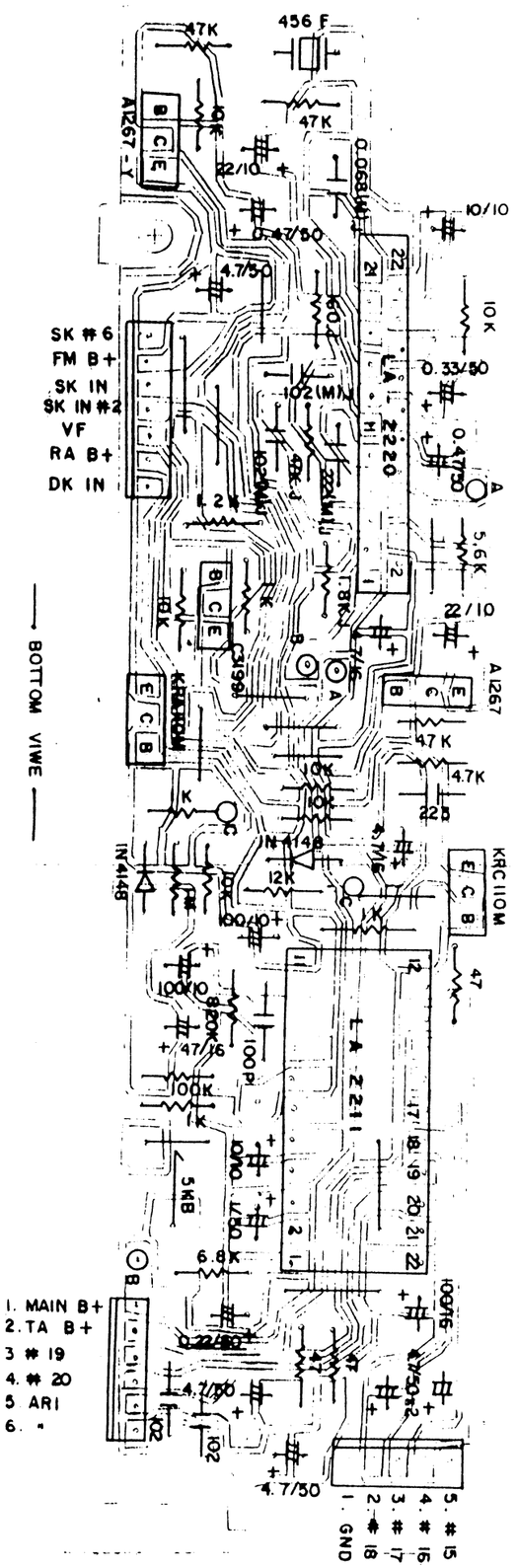




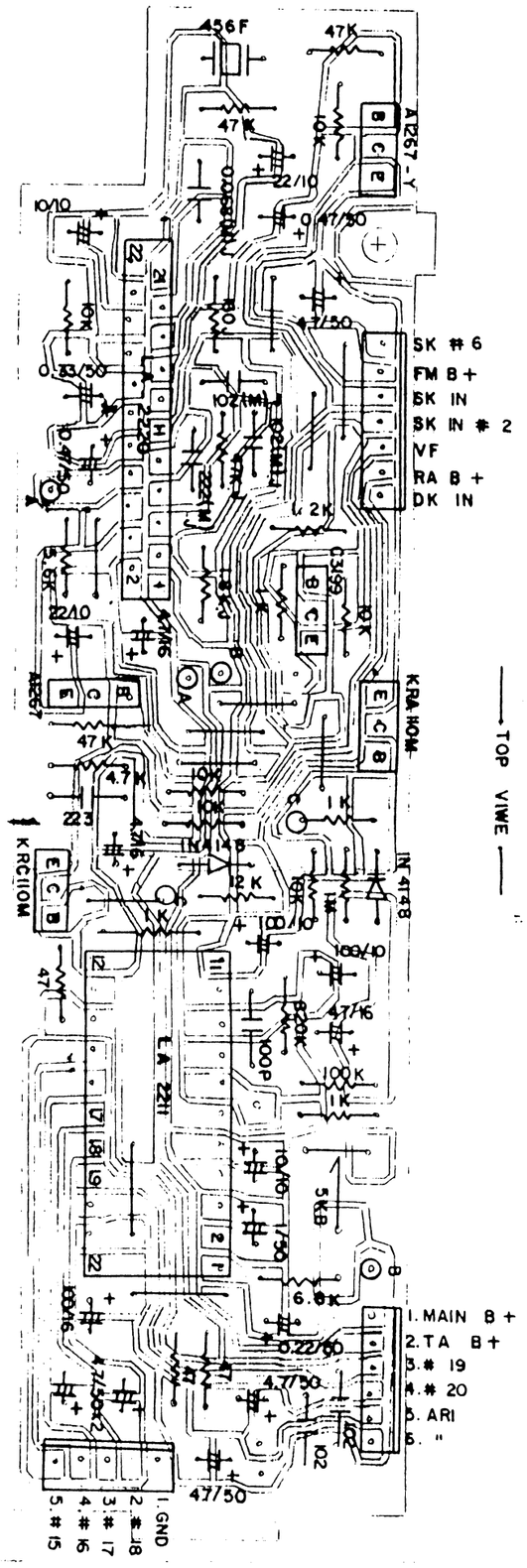
METAL CHIP
- A;W/CD(MODE) ONLY
- B;W/SCAN ONLY
- C;W/SDK ONLY
- D;W/MUTE ONLY

PILOT LAMP
- 1-7;2.6ø 5V60mA(7EA)
- 8-9;3ø 5V60mA(2EA)

FILE NO ; PK-PDH-0001	MODEL ; PDH-3000 SW-PCB (PK-E210C)	D S	D R	C H	A P P
NAME ; PATTERN DIAGRAM	DW NO ; 092-03-11				



BOTTOM VIWE



TOP VIWE

Ⓒ — 22K BOTTOM INSERT

SONY CO.,LTD. PAN
1993. 3. 25

MTC TE20J

		D S	D R	C H	A P P
(SDK PART) FILE NO: PK-E208A	MODEL: PDH-3000 SERIES PDH-5000 SERIES				
NAME: PATTERN DIAGRAM	DW NO: 092-06-21				

ANT JACK

⊙ RCA JACK ⊙
(W/PRE LINE ONLY)

VIOLET (AUTO ANT)

9 P CONNECTO

13 P DIN CONN

(W/PDH-3000 ONLY)

1. WHITE
2. GND
3. RED

1 WHITE
2 GND

1 RED
2 YELLOW
3 VIOLET

1. GND
2. BLUE
3. WHITE
4. GREEN
5. BROWN
6. GRAY
7. ORANGE

5. BLACK 180 mm
4. BLUE "
3. GREEN "
2. VIOLET "
1. SKY BLUE 180 mm

1. ORANGE 180 mm
2. SKY BLUE 180mm
3. VIOLET "
4. RED "
5. GREEN "
6. BLUE "

1. WHITE 120 m
2. RED "
3. GND "
4. RED "
5. YELLOW "

6. GND
5. BROWN "
4. "
3. SKY BLUE
2. ORANGE
1. PINK

1. ORANGE 100
2. RED 100

2P

1. BROWN 190 mm
2. GRAY "
3. WHITE "
4. BLUE "
5. GREEN "
6. ○
7. YELLOW "
8. RED "

— · — MAIN PCB — · —

12P CONNECTOR

FLEXIBLE CABLE

— · — SWITCH PCB — · —

9 P CONNECTOR

3 P DIN CONNECTOR

(W/SDK ONLY)

1. WHITE
2. YELLOW
3. GRAY
4. GREEN
5. BROWN
6. RED
7. BLUE

1. BLUE
2. GREEN
3. SKY BLUE
4. VIOLET
5. ORANGE
6. RED

1. BLACK
2. BLUE
3. GREEN
4. VIOLET
5. SKY BLUE

(W/SDK ONLY)

SDK PCB

(W/SDK ONLY)

.Y)

5. YELLOW
4. RED
3. GREEN
2. GND
1. BLUE

GROUND ISOLATOR PCB

1. WHITE 120 mm
2. RED "
3. GND "
4. RED "
5. YELLOW "

2 P S·H WIRE

(W/PDH-3000 ONLY)

1. GND (2P S.H)
2. YELLOW
3. RED
4. RED (2P S.H)
5. WHITE (2P S.H)

1. PINK

2P S·H

6. WHITE 100 mm
5. GND "
4. RED "
3. BLACK "
2. GRAY "
1. VIOLET "

MOTOR

ORANGE 50 mm

RED 50 mm

ORANGE

RED

MUTE SW

VIOLET 100 mm

GRAY

VIOLET

BLACK

BLACK 40 mm

WHITE

RED

GND

2P S.H

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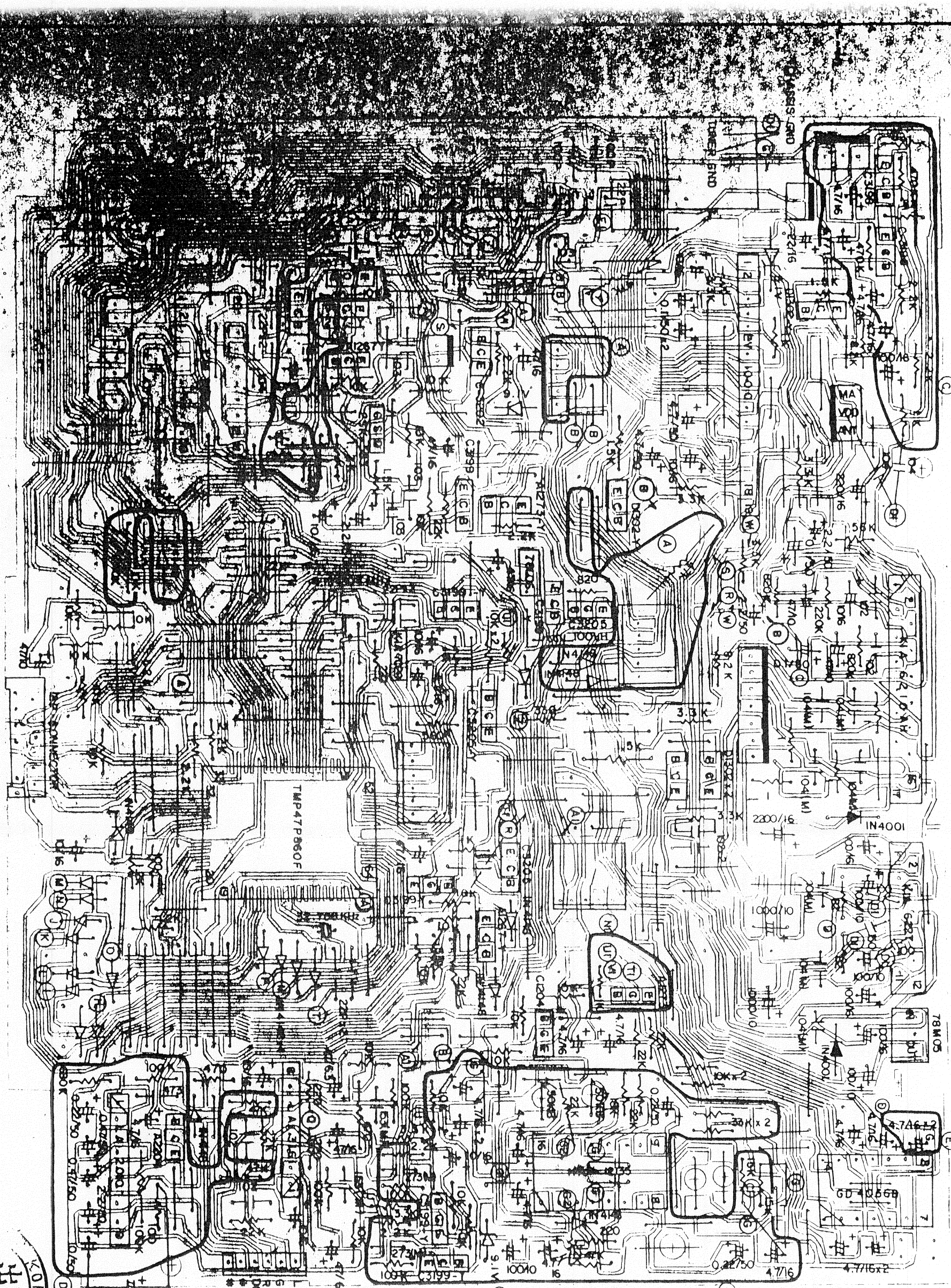
對外秘
No.

MTC-TE-20

FILE NO: PK- E207A, 208A, E209A, 210A	MODEL: PDH- 3000, 2500, 2300, 2000
NAME: WIRING DIAGRAM	DW/NO: 92. 06. 04

D S	D R	C H	A P P



(A) : W/ SDK ONLY
(B) : W/O SDK ONLY
(C) : W/PRE LINE ONLY
(D) : W/AMS ONLY
(E) : W/ METAL, DOLBY ONLY
(F) : W/ 3 BAND ONLY
(G) : W/O DOLBY, METAL ONLY
(P) : W/O DOLBY ONLY
(U) : W/O DOLBY — 1K
(Q) : W/O DOLBY ONLY
220 OHM → 68 OHM
(X) : W/EUROPE, ONLY

(NI) W/CD CHANGER ONLY
(H) : W/O 24 HOUR ONLY
(I) : W/O AMS ONLY
(K) : W/ USA BAND ONLY
(J) : W/ LCD AM ONLY
(L) : W/O METAL ONLY
(M) : W/3BAND ONLY
(N) : W/O CD CHANGER ONLY
(O) : W/FREQ ONLY (FREQ / CLK)
(T) : W/O CLOCK ONLY

(V) W/SDK # 2000.4000 — 6.8K
" # 2500.4500 — 1K
" # 3000.5000 — 1K

(V) W/O SDK # 2000,4000 USA - 27K
" " EUROPE — 6.8K
" # 2500, 4500 USA - 3.3 K
" " EUROPE — 1K
" # 3000, 5000 USA — 10K
" " EUROPE — 4.7K

(EI) : W/F T Z ONLY
(AI) ORANGE 10 x 80 x 10
(CI) W/SDK # 2500.4500 — 22 K x 2
" # 3000.5000 — 33K x 2
W/O SDK # 2500.4500 — 15K x 2
" # 4500.5000 — 15K x 2
(DI) W/SEC BUYER ONLY

(BI) W/O SDK, # 2000 4000 (W/O CD) — IN 4148 x 2 ONLY
" " (W/CD) — METAL JUMP ONLY
(GI) W/O SDK W/O DOLBY, METAL # 2000, 4000 (W/O CD) — IN4148 x 2 ONLY
" " " (W/CD) — METAL JUMP ONLY
(Q2) W/O SDK, W/O DOLBY, METAL # 2000, 4000 ONLY

FILE NO: PK-E207A	MODEL: PDH - 2000.2500.3000 2300	D S	D R	C H	A P P
NAME: PATTERN DIAGRAM	DW NO: 092 - 05 - 06				

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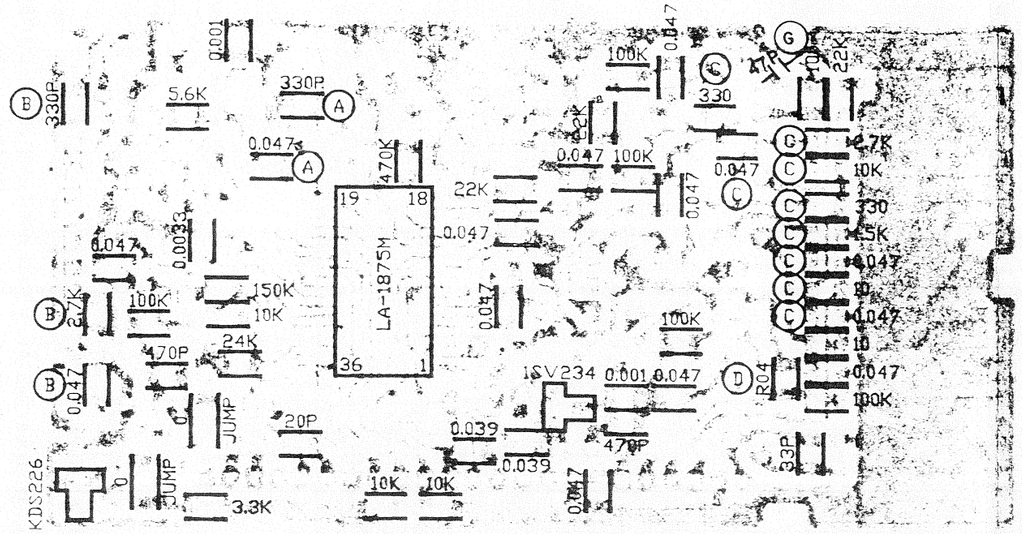
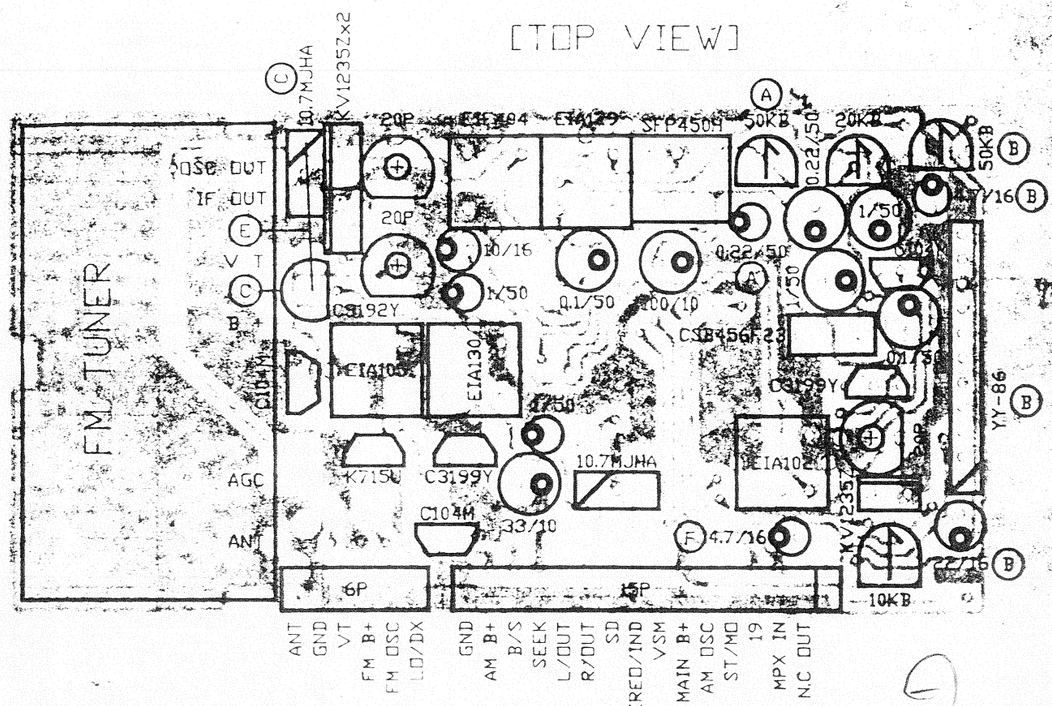
[BOTTOM VIEW]



[TOP VIEW]



[OPTION]

- Ⓐ : W/O N.C ONLY
- Ⓑ : W/N.C ONLY
- Ⓒ : W/O DBM TUNER ONLY
- Ⓓ : W/DBM TUNER-20K, W/O DBM TUNER-68K
- Ⓔ : W/DBM TUNER ONLY [METAL JUMP 12mm]
- Ⓕ : W/N.C & W/O SDK ONLY
- ⊕ : W/DBM TUNER-KCF204H , W/O DBM TUNER-KCF201H-A
- Ⓖ : W/F·T·Z ONLY

20

IF 20

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對外秘 01 No.

	DS	DR	CH	APP
FILE NO : PK-PDH-0002	MODEL : PDH-3000 AM/FM PACK PCB			
NAME : PATTERN DIAGRAM	DW NO : 092-06-26			